

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Soljadic et al.

**GROUP:** Unknown

**SERIAL NO:** Unknown

**EXAMINER:** Unknown

**FILED:** Herewith

**FOR: USING OPTICAL SOLITONS TO INCREASE FIGURE-OF-MERIT OF LASER  
BEAM DEFLECTION DEVICES**

**Mail Stop Patent Application  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**Sir:**

**INFORMATION DISCLOSURE STATEMENT**

In compliance with 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant submits copies of the documents listed on the attached Form PTO-1449.

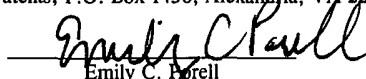
The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any further fee that may be required.

Respectfully submitted,



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I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on **July 30, 2002** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EV303918002US** addressed to the: Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Emily C. Farrell  
07/30/2003  
Date

FORM PTO-1449 SAMUELS, GAUTHIER & STEVENS LLP  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

MIT.9895  
ATTORNEY DOCKET NO.

APPLICANT: Soljacic et al.

FILING DATE: Herewith

Unknown  
SERIAL NO.

GROUP: Unknown

EXAMINER: Unknown

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AE						
	AF						
	AG						

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	AH	"Photonic-Crystal Slow-Light Enhancement of Non-Linear Phase Sensitivity," Soljacic et al. <i>J. Opt. Soc. Am.</i> September 2002. Vol. 19, No. 9.
	AI	"Self-Trapping of 'Necklace' Beams in Self-Focusing Kerr Media," Soljacic et al. <i>Physical Review Letters</i> . November 1998. Vol. 81, No. 22.
	AJ	"Negative Refraction Makes a Perfect Lens," Pendry. <i>Physical Review Letters</i> . October 2000. Vol. 85, No. 18.
	AK	"Superprism Phenomena in Photonic Crystals," Kosaka et al. <i>Rapid Communications, Physical Review B</i> . October 1998. Vol. 58, No. 16.
	AL	"Dynamic, Electronically Controlled Angle Steering of Spatial Solitons in AlGaAs Slab Waveguides," Friedrich et al. <i>Optics Letters</i> . Vol. 23, No. 18.
	AM	"Signal Readdressing by Steering of Spatial Solitons in Bulk Nematic Liquid Crystals," Peccianti et al. <i>Optics Letters</i> . Vol. 26, No. 21.

EXAMINER

DATE CONSIDERED

**EXAMINER:**

Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.